

ABSTRACT OF THE DISCLOSURE

A mat of mineral fibers has a random or quasi-random fiber orientation. The fibers have diameters which, for the great majority of them, are 2.5 to 4.5 micrometers, and a length of 2 to 15 cm. Its density is less than 40 kg/m<sup>3</sup>. Its resistance to compression, for a crushing of 10%, is equal to at least 0.5 kN/m<sup>2</sup>. The fineness of the fibers and their random distribution imparts to the mat an exceptional lightness and an excellent flexibility, making possible the perfect application of the mat on cylindrical surfaces.

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